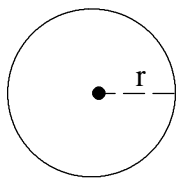# REFERENCE SHEET — GRADE 7

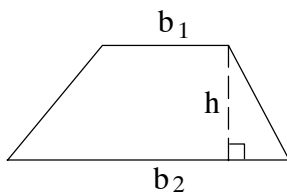**The following information is for your reference.**

Note: **Figures in this test are drawn as accurately as possible, except when it is specifically stated in a problem that the figure is not drawn to scale.**
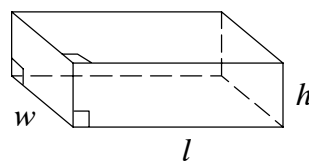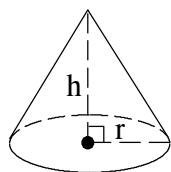
$\pi \approx 3.14$ or $\frac{22}{7}$
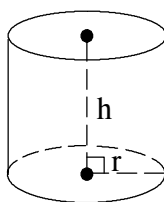
$C = 2\pi r$
$A = \pi r^2$
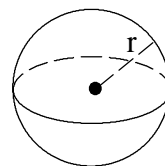
$A = \frac{1}{2}h(b_1 + b_2)$

$V = lwh$
$SA = 2hl + 2hw + 2lw$

$V = \frac{1}{3}\pi r^2 h$
$SA = \pi r^2 + \pi r\sqrt{r^2 + h^2}$

$V = \pi r^2 h$
$SA = 2\pi r^2 + 2\pi rh$

$V = \frac{4}{3}\pi r^3$
$SA = 4\pi r^2$